

## **Early antigen specificity of Epstein-Barr virus in serum of patients with nasopharyngeal carcinoma.**

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### **Early antigen specificity of Epstein-Barr virus in serum of patients with nasopharyngeal carcinoma.**

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### **Abstract:**

The anti-idiotypic of early antigen-specific antibodies against Epstein-Barr virus in serum was determined by a newly established ELISA method after pre-treatment of the test serum with 3.5% PEG (MW6000) to remove the immune complex and interfere with the antigen (Anti-Id) antibody. Among 67 patients with nasopharyngeal carcinoma, 80% of IgA anti-Id antibodies were positive (P/N value  $\geq 2.1$ ), while 56 normal populations were negative except for one positive. The relationship between serum EA/IgA titer and Anti-Id in 46 patients with nasopharyngeal carcinoma showed that the P/N value of Anti-Id antibody was negatively correlated with IgA/EA titer ( $r=-0.6$ ,  $P<0.001$ ). The IgG anti-Id antibody of EA antibody in serum of 12 patients with nasopharyngeal carcinoma was not significantly different from normal.

**Key words:** Anti-idiotypic antibody EB virus antigen nasopharyngeal tumor

### **Reference**

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